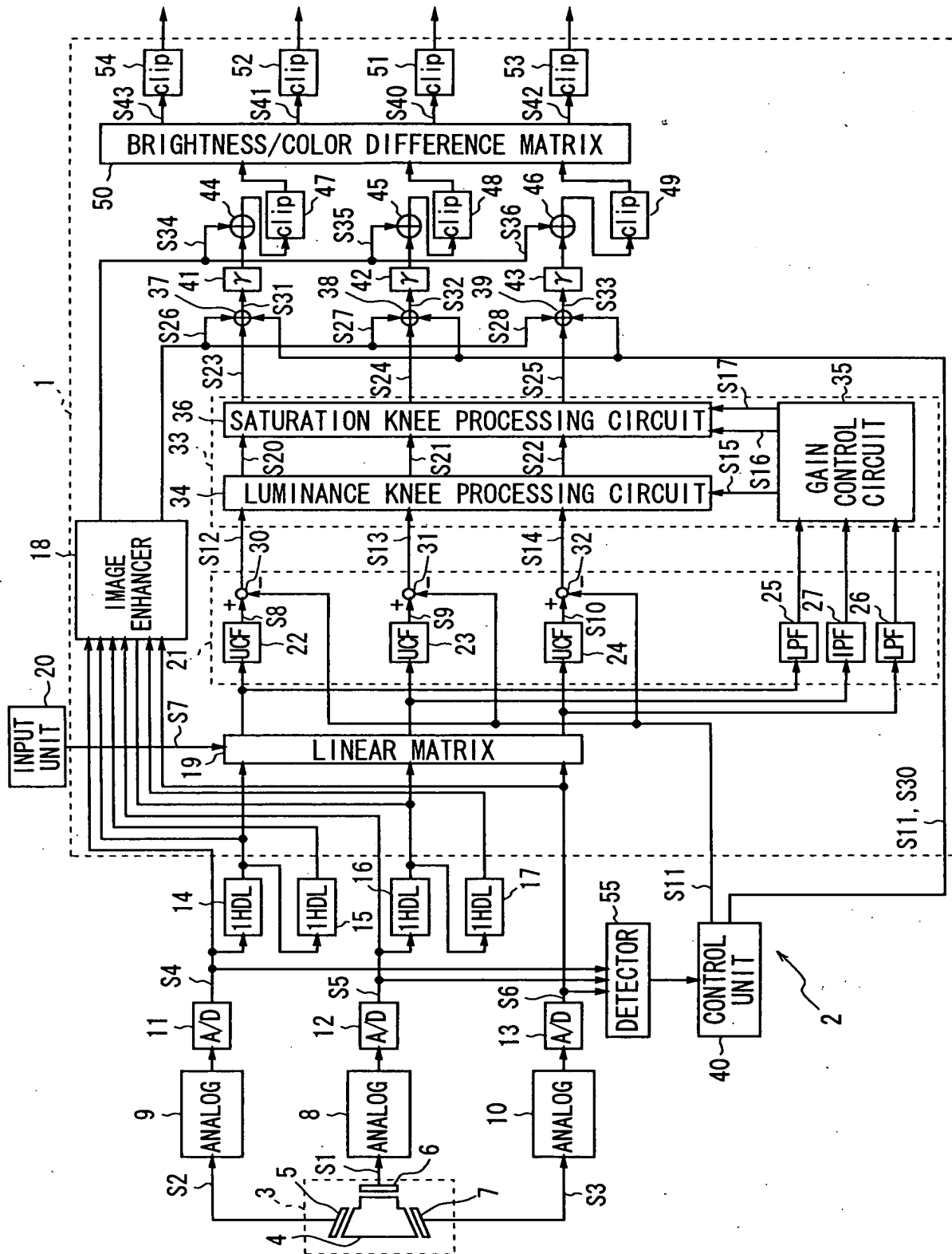
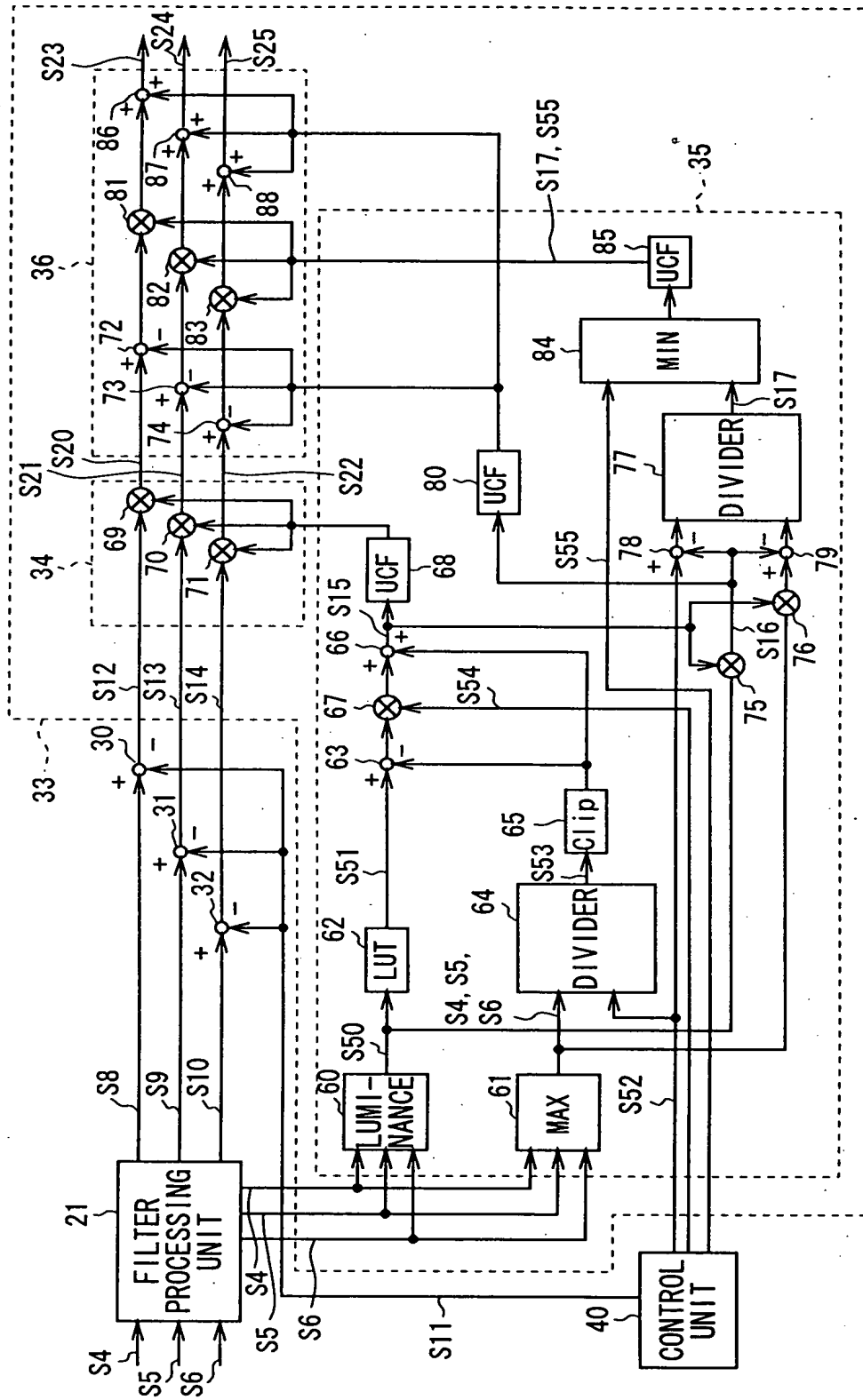


FIG. 1





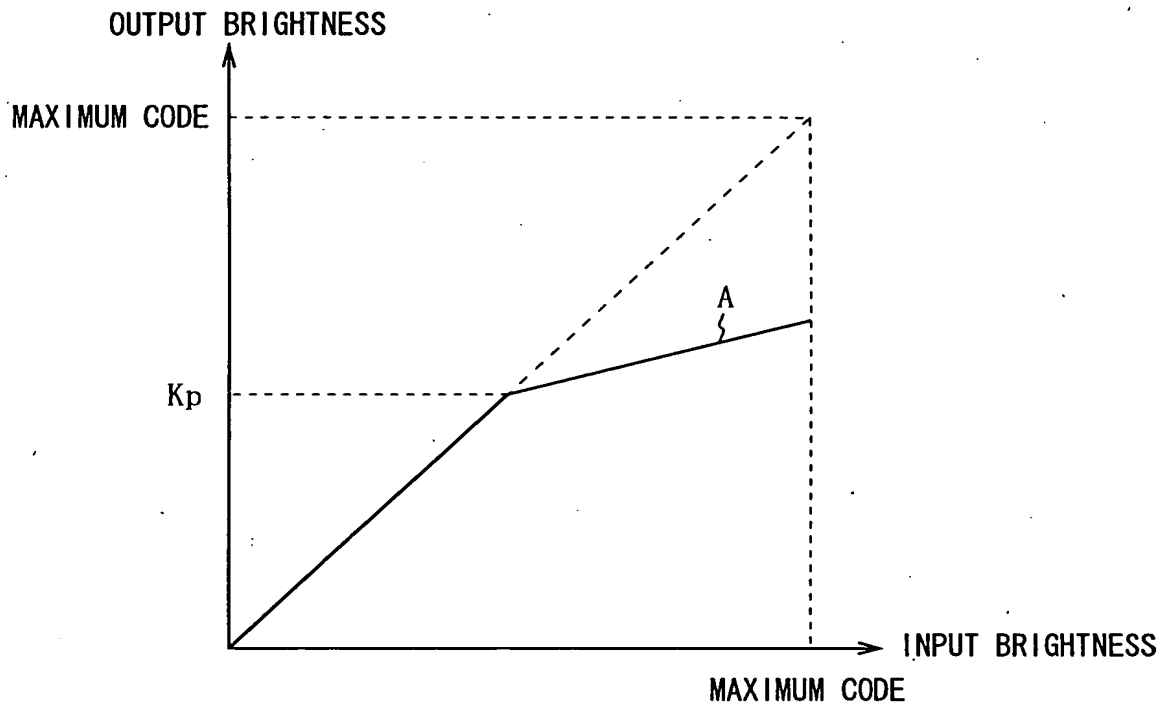


FIG. 4

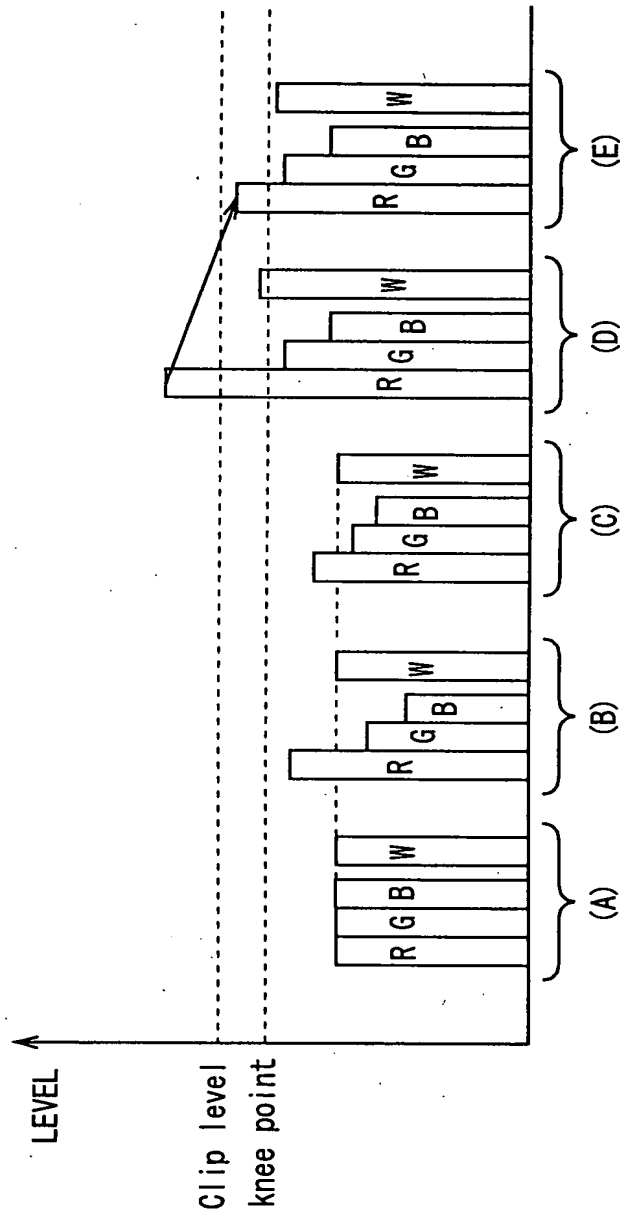


FIG. 5

The diagram shows a vertical axis labeled 'LEVEL' with an upward arrow. Two horizontal dashed lines are labeled 'Clip level' and 'knee point'. The signal is divided into three sections: (A), (B), and (C), each indicated by a bracket on the right. Section (A) contains three bars labeled 'R', 'G', and 'B' from left to right. Section (B) contains four bars labeled 'R', 'G', 'B', and 'W' from left to right. Section (C) contains four bars labeled 'R', 'G', 'B', and 'W' from left to right. Arrows indicate the signal flow: from the 'R' bar in (A) to the 'R' bar in (B), from the 'G' bar in (A) to the 'G' bar in (B), from the 'B' bar in (A) to the 'B' bar in (B), and from the 'W' bar in (B) to the 'W' bar in (C). The 'knee point' is marked at the top of the 'R' bar in (A), and the 'Clip level' is marked at the top of the 'W' bar in (B).

FIG. 6

Reference Numerals

1... .. camera signal processing device, 30... .. knee processing unit,
34... .. luminance knee processing circuit, 35... .. gain control
circuit, 36... .. saturation knee processing circuit, 40... .. control
unit, 60... .. luminance detection circuit, 61... .. maximum value
detection circuit, 62... .. look-up table, 63... .. fourth subtracter,
64... .. first divider, 65... .. eighth clip circuit, 66... .. seventh
adder, 67... .. first multiplier, 75... .. fifth multiplier, 76... .. sixth
multiplier, 77... .. second divider, S4... .. red signal, S5... .. green
signal, S6... .. blue signal, S15... .. third brightness transfer gain
signal, S16... .. transformed luminance signal, S17, S55... ..
saturation transfer gain signal, S20... .. brightness transfer red
signal, S21... .. brightness transfer green signal, S22... ..
brightness transfer blue signal, S23... .. saturation transfer red
signal, S24... .. saturation transfer green signal, S25... .. saturation
transfer blue signal, S50... .. luminance signal, S53... .. temporary
brightness transfer gain signal, S54... .. brightness transform
coefficient signal.